## **AMENDMENTS TO THE CLAIMS**

## Listing of claims:

.0

This listing of claims replaces all prior versions and listings of claims in the application.

1. (Currently Amended) A gateway card that is connected to an information processor and that receives and transmits data between different networks, the gateway card comprising:

an access accepting unit that accepts an access request from an apparatus connected to the one of the networks; and

an access control unit that leads the apparatus to make access to an external apparatus connected to another one of the networks and in a state that the operation of the information processor is maintained in a power-saving operation mode, when the access request is accepted in a state that the operation of the information processor is in a power-saving operation mode and also when the access request corresponds to the access to the external apparatus, and the access control unit carries out a control to adjust a difference between communication protocols of said one of the networks and said another one of the networks,

wherein the gateway card is detachably connected to the information processor.

2. (Original) The gateway card according to claim 1, wherein when the access request is accepted in a state that the operation of the information processor is in a power-saving operation mode and also when the access request corresponds to the access to the information

processor, the access control unit leads the apparatus to make access to the information processor

in a state that the operation mode is returned from the power-saving operation mode to the

normal operation mode, and shifts the operation mode from the normal operation mode to the

power-saving operation mode after the access ends.

3. (Currently Amended) A gateway card connected to an information processor and

that receives and transmits data between different networks, the gateway card comprising:

an access accepting unit that accepts an access request from an apparatus connected to the

networks; and

an access control unit that leads the apparatus to make access to the information processor

in a state that the operation mode is returned from the power-saving operation mode to the

normal operation mode, when the access request corresponds to the access to the information

processor, and shifts the operation mode from the normal operation mode to the power-saving

operation mode after the access ends,

wherein the gateway card is detachably connected to the information processor.

4. (Currently Amended) A gateway control method to be applied to a gateway card

connected to an information processor and that receives and transmits data between different

networks, the gateway control method comprising:

an access request receiving step of receiving an access request from an apparatus

connected to the networks; and

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an access control step of leading the apparatus to make access to an external apparatus in

a state that the operation of the information processor is maintained in a power-saving operation

mode, when the access request is accepted in a state that the operation of the information

processor is in a power-saving operation mode and also when the access request corresponds to

the access to the external apparatus, and the access control step carrying out a control to adjust a

difference between communication protocols of said different networks.

5. (Original) The gateway control method according to claim 4, wherein when the

access request is accepted in a state that the operation of the information processor is in a power-

saving operation mode and also when the access request corresponds to the access to the

information processor, at the access control step, the apparatus is led to make access to the

information processor in a state that the operation mode is returned from the power-saving

operation mode to the normal operation mode, and the operation mode is shifted from the normal

operation mode to the power-saving operation mode after the access ends.

6. (Currently Amended) A gateway control method to be applied to a gateway card

connected to an information processor and that receives and transmits data between different

networks, the gateway control method comprising:

an access request receiving step of receiving an access request from an apparatus

connected to the networks; and

an access control step of leading the apparatus to make access to the information processor in a state that the operation mode is returned from the power-saving operation mode to the normal operation mode, when the access request corresponds to the access to the information processor, and shifting the operation mode from the normal operation mode to the power-saving operation mode after the access ends, and the access control step carrying out a control to adjust a difference between communication protocols of said different networks.

7. (Currently Amended) A gateway control program to be applied to a gateway card connected to an information processor and that receives and transmits data between different networks, the gateway control program comprising the steps of:

making an access accepting unit accept an access request from an apparatus connected to the networks; and

making an access control unit lead the apparatus to make access to an external apparatus in a state that the operation of the information processor is maintained in a power-saving operation mode, when the access request is accepted in a state that the operation of the information processor is in a power-saving operation mode and also when the access request corresponds to the access to the external apparatus, and carrying out a control to adjust a difference between communication protocols of said different networks.

8. (Original) The gateway control program according to claim 7, wherein when the access request is accepted in a state that the operation of the information processor is in a power-

saving operation mode and also when the access request corresponds to the access to the

information processor, the access control unit leads the apparatus to make access to the

information processor in a state that the operation mode is returned from the power-saving

operation mode to the normal operation mode, and shifts the operation mode from the normal

operation mode to the power-saving operation mode after the access ends.

9. (Currently Amended) A gateway control program to be applied to a gateway card

connected to an information processor and that receives and transmits data between different

networks, the gateway control program comprising the steps of:

making an access accepting unit accept an access request from an apparatus connected to

the networks; and

making an access control unit lead the apparatus to make access to the information

processor in a state that the operation mode is returned from the power-saving operation mode to

the normal operation mode, when the access request corresponds to the access to the information

processor, and shifts the operation mode from the normal operation mode to the power-saving

operation mode after the access ends, and carrying out a control to adjust a difference between

communication protocols of said different networks.

10. (Currently Amended) A gateway device with an information processor, and a

gateway section connected to the information processor and that receives and transmits data

between different networks, the gateway section comprises:

an access accepting unit that accepts an access request from an apparatus connected to one of the networks; and

an access control unit that leads the apparatus to make access to an external apparatus connected to another one of the networks and in a state that the operation of the information processor is maintained in a power-saving operation mode, when the access request is accepted in a state that the operation of the information processor is in a power-saving operation mode and also when the access request corresponds to the access to the external apparatus, and the access control unit carries out a control to adjust a difference between communication protocols of said one of the networks and said another one of the networks, and

the information processor further includes a power control unit that shifts the operation mode from a normal operation mode to the power-saving operation mode, when a predetermined shift factor occurred.

11. (Original) The gateway device according to claim 10, wherein when the access request is accepted in a state that the operation of the information processor is in a power-saving operation mode and also when the access request corresponds to the access to the information processor, the access control unit issues a return notice to return the operation of the information processor from the power-saving operation mode to the normal operation mode, then leads the apparatus to make access to the information processor, and issues a shift notice to shift the operation mode from the normal operation mode to the power-saving operation mode after the access ends, and the power control unit returns the operation mode from the power-saving

operation mode to the normal operation mode based on the return notice, and shifts the operation

mode from the normal operation mode to the power-saving operation mode based on the shift

notice.

12. (Currently Amended) A gateway device with an information processor, and a

gateway section connected to the information processor and that receives and transmits data

between different networks, the gateway section comprises:

an access accepting unit that accepts an access request from an apparatus connected to the

networks; and

an access control unit that issues a return notice to return the operation of the information

processor from the power-saving operation mode to the normal operation mode, and leads the

apparatus to make access to the information processor, when the access request corresponds to

the access to the information processor, and issues a shift notice to shift the operation mode from

the normal operation mode to the power-saving operation mode after the access ends, and

the information processor further includes a power control unit that returns the operation

mode from the power-saving operation mode to the normal operation mode based on the return

notice, and shifts the operation mode from the normal operation mode to the power-saving

operation mode based on the shift notice,

wherein the gateway device is detachably connected to the information processor.

13. (Currently Amended) A gateway control method to be applied to a gateway device with an information processor, and a gateway section connected to the information processor and that receives and transmits data between different networks,

the gateway section executes the steps comprising:

an access request receiving step of receiving an access request from an apparatus connected to the networks; and

an access control step of leading the apparatus to make access to an external apparatus in a state that the operation of the information processor is maintained in a power-saving operation mode, when the access request is accepted in the state that the operation of the information processor is in the power-saving operation mode and also when the access request corresponds to the access to the external apparatus, and the access control step carrying out a control to adjust a difference between communication protocols of said different networks, and

the information processor executes a power control step of shifting the operation mode from a normal operation mode to the power-saving operation mode, when a predetermined shift factor occurred.

14. (Original) The gateway control method according to claim 13, wherein when the access request is accepted in a state that the operation of the information processor is in a power-saving operation mode and also when the access request corresponds to the access to the information processor, at the access control step, a return notice to return the operation of the information processor from the power-saving operation mode to the normal operation mode, is

issued, then the apparatus is led to make access to the information processor, and a shift notice to

shift the operation mode from the normal operation mode to the power-saving operation mode

after the access ends, is issued, and at the power control step, the operation mode is returned

from the power-saving operation mode to the normal operation mode based on the return notice,

and the operation mode is shifted from the normal operation mode to the power-saving operation

mode based on the shift notice.

15. (Currently Amended) A gateway control method to be applied to a gateway

device with an information processor, and a gateway section connected to the information

processor and that receives and transmits data between different networks,

the gateway section executes the steps comprising:

an access request receiving step of receiving an access request from an apparatus

connected to the networks; and

an access control step of issuing a return notice to return the operation of the

information processor from the power-saving operation mode to the normal operation mode, and

leading the apparatus to make access to the information processor, when the access request

corresponds to the access to the information processor, and issuing a shift notice to shift the

operation mode from the normal operation mode to the power-saving operation mode after the

access ends, and the access control step carrying out a control to adjust a difference between

communication protocols of said different networks, and

the information processor further executes the steps comprising:

a power control step of returning the operation mode from the power-saving

operation mode to the normal operation mode based on the return notice, and shifting the

operation mode from the normal operation mode to the power-saving operation mode based on

the shift notice.

16. (Currently Amended) A gateway control program to be applied to a gateway

device with an information processor, and a gateway section connected to the information

processor and that receives and transmits data between different networks, the gateway control

program comprising the steps of:

making an access accepting unit accept an access request from an apparatus connected to

the networks;

making an access control unit lead the apparatus to make access to an external apparatus

in a state that the operation of the information processor is maintained in a power-saving

operation mode, when the access request is accepted in a state that the operation of the

information processor is in a power-saving operation mode and also when the access request

corresponds to the access to the external apparatus, and carrying out a control to adjust a

difference between communication protocols of said different networks; and

making a power control unit shift the operation mode from a normal operation mode to

the power-saving operation mode, when a predetermined shift factor occurred.

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17. (Original) The gateway control program according to claim 16, wherein when

the access request is accepted in a state that the operation of the information processor is in a

power-saving operation mode and also when the access request corresponds to the access to the

information processor, the access control unit issues a return notice to return the operation of the

information processor from the power-saving operation mode to the normal operation mode, then

leads the apparatus to make access to the information processor, and issues a shift notice to shift

the operation mode from the normal operation mode to the power-saving operation mode after

the access ends, and the power control unit returns the operation mode from the power-saving

operation mode to the normal operation mode based on the return notice, and shifts the operation

mode from the normal operation mode to the power-saving operation mode based on the shift

notice.

18. (Currently Amended) A gateway control program to be applied to a gateway

device with an information processor, and a gateway section connected to the information

processor and that receives and transmits data between different networks, the gateway control

program comprising the steps of:

making an access accepting unit accept an access request from an apparatus connected to

the networks;

making an access control unit issue a return notice to return the operation of the

information processor from the power-saving operation mode to the normal operation mode, and

lead the apparatus to make access to the information processor, when the access request

corresponds to the access to the information processor, and issues a shift notice to shift the

operation mode from the normal operation mode to the power-saving operation mode after the

access ends, and carrying out a control to adjust a difference between communication protocols

of said different networks, and

making a power control unit return the operation mode of the information processor from

the power-saving operation mode to the normal operation mode based on the return notice, and

shift the operation mode of the information processor from the normal operation mode to the

power-saving operation mode based on the shift notice.

19. (Currently Amended) A gateway card that interconnects an information

processor, at least one server via a first network, and at least one client via a second network, the

first network and the second network having different communication protocols, the information

processor having a normal power mode and a power save mode, the gateway card comprising:

an access accepting unit that accepts a request from the client to access the server or the

information processor;

a power mode checking unit that determines whether the information processor is in the

normal power mode or in the power save mode; and

an access control unit that executes the request from the client, wherein if the request

from the client is a request to access the server, the access control unit executes the request even

if the power mode checking unit determines that the information processor is in the power save

mode <u>and carries out a control to adjust a difference between the different communication</u> protocols of said first network and said second network.

20. (Currently Amended) A gateway card that interconnects an information processor, at least one server via a first network, and at least one client via a second network, the first network and the second network having different communication protocols, the information processor having a normal power mode and a power save mode, the gateway card comprising:

an access accepting unit that accepts a request from the client to access the server or the information processor;

normal power mode or in the power save mode; and

an access control unit that executes the request from the client, wherein if the request from the client is a request to access the information processor and, if the power mode checking unit determines that the information processor is in the power save mode, the access control unit instructs the information processor to change the power mode to the normal power mode, executes the request, and instructs the information processor to change the power mode to the power save mode and carries out a control to adjust a difference between the different communication protocols of said first network and said second network.